

In the Claims:

Please cancel claims 1-44 and add new claims 45-64. A complete listing of the claims appears below with proper claim identifiers.

Claims 1-44 (Cancelled)

45. (New) A barbed stent for deployment within the body of a patient, comprising:

a wire having at least one integrally formed barb configured to engage tissue adjacent the stent;

wherein the wire is bent to form at least one bend connecting to at least two struts such that the at least one barb points in a predetermined direction at an angle relative to a longitudinal axis of the stent.

46. (New) The stent of claim 45, wherein the wire is in a zigzag shape.

47. (New) The stent of claim 45, wherein the at least one barb points in a direction at an acute angle relative to the longitudinal axis of the stent.

48. (New) The stent of claim 45, wherein the at least one barb points in a direction at a generally transverse angle relative to the longitudinal axis of the stent.

49. (New) The stent of claim 45, wherein the at least one barb is positioned on the at least one bend.

50. (New) The stent of claim 45, wherein each of the at least one bend comprises at least one barb positioned thereon.

51. (New) The stent of claim 45, wherein the at least one barb is positioned on at least one of the at least two struts.

52. (New) The stent of claim 45, wherein each of the at least two struts comprises at least one barb positioned thereon.

53. (New) The stent of claim 45, wherein the stent is adjacent a proximal end of an endoluminal prosthesis.

54. (New) The stent of claim 53, wherein the at least two struts extend away from the proximal end of the endoluminal prosthesis in a proximal direction.

55. (New) The stent of claim 54, wherein the endoluminal prosthesis is adapted to be deployed at least partially within the aorta, so that the stent extends at least partially above a renal artery when the prosthesis is implanted.

56. (New) The stent of claim 53, wherein the prosthesis is a bifurcated aortic prosthesis.

57. (New) The stent of claim 45:
 wherein the wire is in a zigzag shape and the at least one barb points in a direction at one of an acute angle and a generally transverse angle relative to the longitudinal axis of the stent, the at least one barb being positioned on one of:

a) the at least one bend; and

b) at least one of the at least two struts; and

wherein the stent is adjacent a proximal end of a bifurcated aortic endoluminal prosthesis, the at least two struts of the stent extending away from the proximal end of the endoluminal prosthesis in a proximal direction, the endoluminal prosthesis being adapted to be deployed at least partially within the aorta, so that the stent extends at least partially above a renal artery when the prosthesis is implanted.

58. (New) An endoluminal prosthesis comprising:
a substantially cannular body having proximal and distal ends; and
a stent affixed to the substantially cannular body near the proximal
end, the stent comprising a wire having at least one integrally formed barb configured to
engage tissue adjacent the stent;

wherein the wire is bent to form at least one bend connecting to at least
two struts such that the at least one barb points in a predetermined direction at an angle
relative to a longitudinal axis of the stent.

59. (New) The prosthesis of claim 58, wherein the substantially cannular body
is bifurcated.

60. (New) The prosthesis of claim 58, wherein the stent is in a zigzag shape.

61. (New) The prosthesis of claim 58, wherein the at least one barb is
positioned on one of:

- a) the at least one bend; and
- b) at least one of the at least two struts.

62. (New) The prosthesis of claim 58, wherein the at least one barb points in a
direction at one of an acute angle and a generally transverse angle relative to the
longitudinal axis of the stent.

63. (New) The prosthesis of claim 58, wherein at least a portion of the stent
extends proximally away from the proximal end of the cannular body.

64. (New) The prosthesis of claim 58:

wherein the stent is in a zigzag shape and the at least one barb points in a direction at one of an acute angle and a generally transverse angle relative to the longitudinal axis of the stent, the at least one barb being positioned on one of:

- a) the at least one bend; and
- b) at least one of the at least two struts; and

wherein the substantially cannular body is bifurcated and at least a portion of the stent extends proximally away from the proximal end of the cannular body.